## WHAT IS CLAIMED IS:

2	1. A nozzle for a blow molding machine that uses an external
3	compressed air source comprising:
4	a base connected to a compressed air source and having a top, a bottom,
5	an inlet defined in the bottom and a mouth defined in the top, communicating
6	with the inlet and having a first diameter at the top of the base;
7	an attachment collar attached securely to the top of the base and having a
8	top, a bottom, a central hole defined coaxially through the attachment collar and
9	a top flange formed in and extending into the central hole at the top of the
10	attachment collar; and
11	a head mounted moveably in the central hole in the attachment collar
12	and having a bottom, a top extending out from the top of the attachment collar, a
13	central passage defined longitudinally through the head, communicating with the
14	mouth in the base and having a second diameter at the bottom of the head and a
15	bottom protrusion protruding radially out from the bottom of the head,
16	wherein the first diameter of the mouth at the top of the base is larger
17	than the second diameter of the central passage at the bottom of the head to make
18	part of the bottom of the head correspond to the mouth.
19	2. The nozzle as claimed in claim 1, wherein
20	a gap is defined between the top flange on the attachment collar and the
21	bottom protrusion on the head to make the head moveable relative to the
22	attachment collar.
23	3. The nozzle as claimed in claim 2 further comprising an O-ring

mounted around the protrusion on the head.

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4. The nozzle as claimed in claim 2, wherein the head has a chamfer 1 2 defined around the top of the head. 5. The nozzle as claimed in claim 4 further comprising an O-ring 3 mounted around the head near the top of the head. 4 6. The nozzle as claimed in claim 5, wherein the base has multiple 5 6 threaded holes defined in the top of the base; the attachment collar has multiple through holes defined through the 7 attachment collar and aligning respectively with the threaded holes in the base; 8 9 and multiple bolts penetrating respectively through the through holes in the 10 11 attachment collar and screwed respectively into the threaded holes in the base to securely attach the attachment collar onto the base. 12 7. The nozzle as claimed in claim1, wherein the base has multiple 13 threaded holes defined in the top of the base; 14 the attachment collar has multiple through holes defined through the 15 attachment collar and aligning respectively with the threaded holes in the base; 16 17 and

multiple bolts penetrating respectively through the through holes in the

attachment collar and screwed respectively into the threaded holes in the base to

securely attach the attachment collar onto the base.

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